

# ECS Configuration Change Request

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<b>1. Originator</b> Wenhsing Yang	<b>2. Log Date:</b> 10/04/02	<b>3. CCR #:</b> 02-0875	<b>4. Rev:</b>	<b>5. Tel:</b> 301-883-4071	<b>6. Rm #:</b> 3204C	<b>7. Dept.</b> DEV/DDM
<b>8. CCR Title:</b> To increase the total memory and change named caches on ACG sybase servers in EDC, GSFC, and LARC DAACs						
<b>9. Originator Signature/Date</b> Wenhsing Yang /s/ 10/03/02			<b>10. Class</b> II	<b>11. Type:</b> CCR	<b>12. Need Date:</b> 2002-10-18	
<b>13. Office Manager Signature/Date</b> Peter MacHarrie /s/ 10/03/02			<b>14. Category of Change:</b> Update ECS Baseline Doc.		<b>15. Priority:</b> (If "Emergency" fill in Block 27). Routine	
<b>16. Documentation/Drawings Impacted</b> ( <i>Review and submit checklist</i> ): 910-TDA-025			<b>17. Schedule Impact:</b> None		<b>18. CI(s) Affected:</b> ACMHW	
<b>19. Release Affected by this Change:</b> 6A		<b>20. Date due to Customer:</b> 2002-10-18		<b>21. Estimated Cost:</b> None - Under 100K		
<b>22. Source Reference:</b> <input type="checkbox"/> NCR (attach) <input type="checkbox"/> Action Item <input type="checkbox"/> Tech Ref. <input type="checkbox"/> GSFC <input checked="" type="checkbox"/> Other: To improve search performance.						
<b>23. Problem: (use additional Sheets if necessary)</b> To improve search performance it is necessary to increase the total memory and change named caches on ACG sybase servers in EDC, GSFC, and LARC DAACs						
<b>24. Proposed Solution: (use additional sheets if necessary)</b> To increase the total memory and change named caches on ACG sybase servers in EDC, GSFC, and LARC DAACs						
<b>25. Alternate Solution: (use additional sheets if necessary)</b> None						
<b>26. Consequences if Change(s) are not approved: (use additional sheets if necessary)</b> Continuously slow search performance on ACG sybase servers in EDC, GSFC, and LARC DAACs						
<b>27. Justification for Emergency (If Block 15 is "Emergency"):</b>						
<b>28. Site(s) Affected:</b> <input type="checkbox"/> EDF <input type="checkbox"/> PVC <input type="checkbox"/> VATC <input checked="" type="checkbox"/> EDC <input checked="" type="checkbox"/> GSFC <input checked="" type="checkbox"/> LaRC <input type="checkbox"/> NSIDC <input type="checkbox"/> SMC <input type="checkbox"/> AK <input type="checkbox"/> JPL <input type="checkbox"/> EOC <input type="checkbox"/> IDG Test Cell <input type="checkbox"/> Other						
<b>29. Board Comments:</b>				<b>30. Work Assigned To:</b>	<b>31. CCR Closed Date:</b>	
<b>32. EDF/SCDV CCB Chair (Sign/Date):</b>			<b>Disposition:</b> Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
<b>33. M&amp;O CCB Chair (Sign/Date):</b> Gary Gavigan /s/ 10/8/02			<b>Disposition:</b> <b>Approved</b> App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ECS			
<b>34. ECS CCB Chair (Sign/Date):</b>			<b>Disposition:</b> Approved App/Com. Disapproved Withdraw Fwd/ESDIS ERB Fwd/ESDIS			

# ADDITIONAL SHEET

**CCR #:**                      **Rev:**                      **Originator:** Wenhsing Yang

**Telephone:** 301-883-4071                      **Office:** 3204C

**Title of Change:** To increase the total memory and change named caches on ACG sybase servers in EDC, GSFC, and LARC DAACs

To increase the total memory and change named caches on ACG sybase servers in EDAAC

- (1) increase total memory by 2500MB (1280000 pages), from 4097000 pages to 5377000 pages
- (2) create dp\_cache named cache with size of 2GB, 1G for 2K pool and 1G for 16K pool, and bind the DataPool database
- (3) create tempdb\_cache named cache with size of 500M, all for 2K pool, and bind the tempdb database

To increase the total memory and change named caches on ACG sybase servers in GDAAC

- (1) increase total memory by 500MB (256000 pages), from 4647000 pages to 4903000 pages
- (2) create tempdb\_cache named cache with size of 500M, all for 2K pool, and bind the tempdb database
- (3) drop cache sdsrvsys\_cache
- (4) increase stmgtsys\_cache to 6M, bind SDSRV database system tables

To increase the total memory and change named caches on ACG sybase servers in LDAAC

- (1) increase total memory by 250MB (128000 pages), from 2560000 pages to 2688000 pages
- (2) create tempdb\_cache named cache with size of 250M, all for 2K pool, and bind the tempdb database

In summary, the total memory changes are the followings:

EDC: from 4097000 pages to 5377000 pages  
GSFC: from 4647000 pages to 4903000 pages  
LARC: from 2560000 pages to 2688000 pages

DDM will update 910-TDA-025 baseline document after receiving the ACG sybase server configuration reports from EDC, GSFC, and LARC DAACs.